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**OCEANOGRAPHIC SERVICES, INC.**

135 EAST ORTEGA STREET • SANTA BARBARA, CALIFORNIA 93101

Telephone: (Area Code 805) 965-6575



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4 June 1973

National Aeronautics and Space Administration  
Goddard Space Flight Center  
Greenbelt, Maryland 20771

Subject: Bimonthly Progress Report Number 3 (Type I)

Gentlemen:

Oceanographic Services, Inc. (OSI) is pleased to submit Progress Report Number 3, covering the period 2 April to 2 June 1973 under contract NAS 5-21877.

A. Title: Acquisition and Analysis of Coastal Ground-Truth Data for Correlation with ERTS-1 Imagery.

B. Principal Investigator: Dr. William A. Anikouchine, GSFC ID PR 533.

C. Difficulties and Problems This Period: None.

D. Accomplishments:

1. Work is progressing on digital enhancement of spectral information on CCT's of MSS data.

2. Ground truth cruises were made on:

April 1 Santa Monica Bay (incomplete due to inclement weather).  
April 2 Santa Barbara Channel  
April 4 Monterey Bay

3. Ground truth data has been compared to MSS imagery (9.5 + format) preliminarily.

E. Significant Results: Ground truth data agrees with MSS data in a gross fashion; enhancement is required before definitive assessments of overall correlations can be made.

(E73-10607) ACQUISITION AND ANALYSIS OF  
COASTAL GROUND TRUTH DATA FOR CORRELATION  
WITH ERTS-1 IMAGERY Bimonthly Progress  
Report (Oceanographic Services, Inc.)  
8 p HC \$3.00

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F. Projected Accomplishments:

1. Complete computer software for digital enhancement of MSS data.
2. Examine MSS data along cruise tracks for correlation with ground truth.
3. Examine photographic enhancement of MSS film imagery using photolithographic film techniques.

G. Published Material: None.

H. Additional Investigative Efforts: None recommended at this time.

I. Changes in Standing Orders: None.

J. Image Description Forms: Updated list being prepared.

K. Data Request Forms: The following material was ordered retrospectively during this reporting period:

DATE	OBSERVATION IDENTIFIER	CENTER POINT COORDINATES	SENSOR BAND	PRODUCT FORMAT	NUMBER OF COPIES
29 May 1973	1180-18013	34.698N 118.336W	M	M	1
29 May 1973	1180-18015	33.260N 118.770W	M	M	1
29 May 1973	1039-18172	37.426N 121.848W	M	M	1
29 May 1973	1093-18176	37.111N 121.928W	M	M	1
29 May 1973	1109-18073	34.424N 119.941W	M	M	1

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DATE	OBSERVATION IDENTIFIER	CENTER POINT COORDINATES	SENSOR BAND	PRODUCT FORMAT	NUMBER OF COPIES
29 May 1973	1147-18181	37.301N 121.855W	M	M	1
29 May 1973	1163-18072	34.502N 119.847W	M	M	1
29 May 1973	1165-18175	37.407N 121.781W	M	P	1
29 May 1973	1180-18013	34.698N 118.336W	M	P	1
29 May 1973	1180-18015	33.260N 118.770W	M	P	1
29 May 1973	1181-18071	34.672N 119.791W	M	P	1
29 May 1973	1183-18175	37.541N 121.775W	M	P	1
29 May 1973	1183-18182	36.106N 122.234W	M	P	1
29 May 1973	1147-18181	37.301N 121.855W	M	P	1
29 May 1973	1162-18013	34.537N 118.393W	M	P	1
29 May 1973	1162-18020	33.100N 118.823W	M	P	1
29 May 1973	1163-18072	34.502N 119.847W	M	P	1
29 May 1973	1111-18181	37.256N 121.897W	M	P	1
29 May 1973	1126-18015	34.543N 118.458W	M	P	1

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DATE	OBSERVATION IDENTIFIER	CENTER POINT COORDINATES	SENSOR BAND	PRODUCT FORMAT	NUMBER OF COPIES
29 May 1973	1127-18073	34.533N 119.916W	M	P	1
29 May 1973	1129-18181	37.418N 121.840W	M	P	1
29 May 1973	1144-18015	34.467N 118.471W	M	P	1
29 May 1973	1145-18073	34.467N 119.904W	M	P	1
29 May 1973	1092-18123	35.958N 120.797W	M	P	1
29 May 1973	1093-18176	37.111N 121.928W	M	P	1
29 May 1973	1108-18014	34.491N 118.455W	M	P	1
29 May 1973	1108-18020	33.072N 118.904W	M	P	1
29 May 1973	1109-18073	34.424N 119.941W	M	P	1
29 May 1973	1072-18010	34.618N 118.337W	M	P	1
29 May 1973	1073-18064	34.668N 119.755W	M	P	1
29 May 1973	1075-18173	37.490N 121.740W	M	P	1
29 May 1973	1090-18012	34.546N 118.397W	M	P	1
29 May 1973	1091-18071	34.579N 119.828W	M	P	1

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DATE	OBSERVATION IDENTIFIER	CENTER POINT COORDINATES	SENSOR BAND	PRODUCT FORMAT	NUMBER OF COPIES
29 May 1973	1037-18064	34.567N 119.842W	M	P	1
29 May 1973	1039-18172	37.426N 121.848W	M	P	1
29 May 1973	1054-18010	34.517N 118.382W	M	P	1
29 May 1973	1055-18064	34.512N 119.833W	M	P	1
29 May 1973	1057-18172	37.358N 121.827W	M	P	1
29 May 1973	1002-18134	37.291N 120.935W	M	P	1
29 May 1973	1018-18010	34.318N 118.457W	M	P	1
29 May 1973	1019-18064	34.361N 119.863W	M	P	1
29 May 1973	1025-18172	34.403N 121.761W	M	P	1
29 May 1973	1036-18010	34.476N 118.444W	M	P	1
29 May 1973	1162-18013	34.537N 118.393W	M	T	1
29 May 1973	1162-18020	33.100N 118.823W	M	T	1
29 May 1973	1180-18013	34.698N 118.336W	M	T	1
29 May 1973	1126-18015	34.543N 118.458W	M	T	1

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29 May 1973	1129-18181	37.418N 121.840W	M	T	1
29 May 1973	1144-18015	34.467N 118.471W	M	T	1
29 May 1973	1145-18073	34.467N 119.904W	M	T	1
29 May 1973	1147-18181	37.301N 121.855W	M	T	1
29 May 1973	1018-18010	34.318N 118.457W	M	T	1
29 May 1973	1037-18064	34.567N 119.842W	M	T	1
29 May 1973	1039-18172	37.426N 121.848W	M	T	1
29 May 1973	1093-18176	37.111N 121.928W	M	T	1
29 May 1973	1180-18013	34.698N 118.336W	M	S	1
29 May 1973	1108-18014	34.491N 118.455W	M	S	1
29 May 1973	1108-18020	33.072N 118.904W	M	S	1
29 May 1973	1109-18073	34.424N 119.941W	M	S	1
29 May 1973	1147-18181	37.301N 121.855W	M	S	1
29 May 1973	1163-18072	34.502N 119.847W	M	S	1

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DATE	OBSERVATION IDENTIFIER	CENTER POINT COORDINATES	SENSOR BAND	PRODUCT FORMAT	NUMBER OF COPIES
29 May 1973	1037-18064	34.567N 119.842W	M	S	1
29 May 1973	1039-18172	37.426N 121.848W	M	S	1
29 May 1973	1057-18172	37.358N 121.827W	M	S	1
29 May 1973	1092-18123	35.958N 120.797W	M	S	1
29 May 1973	1093-18176	37.111N 121.928W	M	S	1
29 May 1973	1002-18134	37.291N 120.935W	M	S	1
29 May 1973	1018-18010	34.318N 118.457W	M	S	1
29 May 1973	1910-18064	34.361N 119.863W	M	S	1
29 May 1973	1021-18172	37.403N 121.761W	M	S	1
29 May 1973	1036-18010	34.476N 118.444W	M	S	1
29 May 1973	1145-18073	34.467N* 119.904W	M	7	1
29 May 1973	1180-18013	34.698N* 118.336W	M	7	1
29 May 1973	1039-18172	37.426N 121.848W	M	7	1

\*PRODUCT TYPE: D

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DATE	OBSERVATION IDENTIFIER	CENTER POINT COORDINATES	SENSOR BAND	PRODUCT FORMAT	NUMBER OF COPIES
29 May 1973	1037-18064	34.567N* 119.842W	M	7	1
29 May 1973	1057-18172	37.358N* 121.827W	M	7	1
29 May 1973	1093-18176	37.111N* 121.928W	M	7	1
29 May 1973	1002-18134	37.291N 120.935W	R	S	1
29 May 1973	1002-18134	37.291N 120.935W	R	M	1
29 May 1973	1002-18134	37.291N 120.935W	R	T	1
29 May 1973	1002-18134	37.291N* 120.935W	R	7	1
29 May 1973	1002-18134	37.291N 120.935W	R	P	1

\*PRODUCT TYPE: D

L. Additional Funds Required: None.

Sincerely,



William A. Anikouchine, PhD.  
Senior Oceanographer

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